L 22550-65 SG(j)/EWT(m)/FCC/T IJP(c)

ACCESSION NR: AP5000639 S/0251/64/036/002/0295/0300

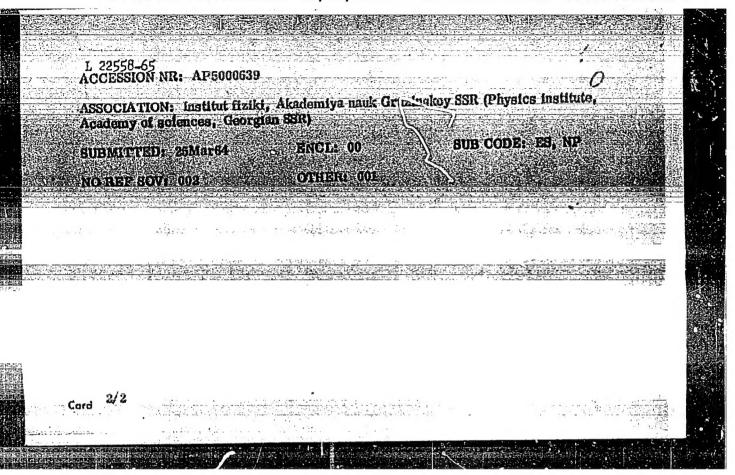AUTHOR: Gedalin, E. V.

TITLE: Fluctuations in extensive atmospheric showers: the moments method

SOURCE: AN GruzSSR. Soobshcheniya, v. 36, no. 2, 1964, 295-300

TOPIC TAGS: photon shower, electron shower, ionization loss, probability function, probability distribution, atmospheric shower

ABSTRACT: This article is a continuation of a previous article in which the fluctuation of the number of particles was determined in a photon-electron shower taking the ionization losses into account. The author points out, however, that in the case of primary particles of high energy and depth the number of diagrams subject to examination increases, and the diagrammatic method becomes awkward. In this article, the author uses the moments method to determine the probability distribution function of producing a cascade with state $\langle a \rangle$ at depth x by an i-type particle of energy E_0. After obtaining equations for the moments from the general equations of a one-dimensional cascade theory, the author derives a system of equations for the mean square number of k-type particles of energy E at depth x in a shower formed by i-type initial particles of energy E_0 at depth x_0. Orig. art. has: 10 formulas.
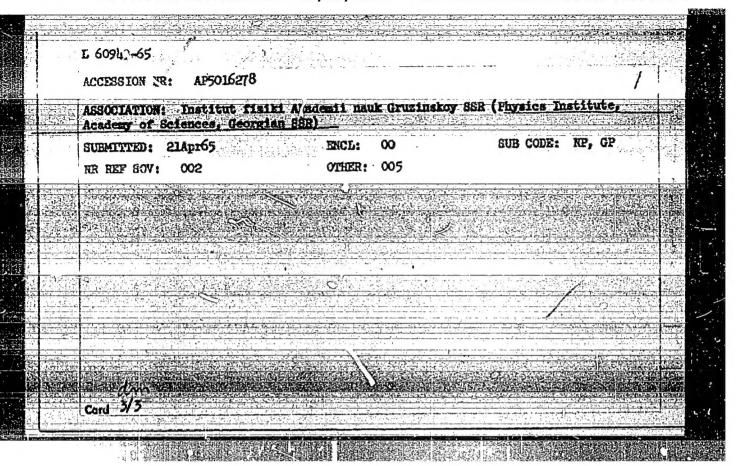
Card 1/2

L 22558-65
ACCESSION NR: AP5000639

ASSOCIATION: Institut fiziki, Akademiya nauk Gruzinskoy SSR (Physics Institute, Academy of sciences, Georgian SSR)

SUBMITTED: 25Mar64   ENCL: 00   SUB CODE: ES, NP

NO REF SOV: 002   OTHER: 001

Card 2/2

L 00716-66 EWT(m)/T/EWP(m)-2

ACCESSION NR: AP5014238 UR/0386/65/001/003/0035/0040

AUTHOR: Gedalin, E. V.; Kancheli, O. V.; Matinyan, S. G.

TITLE: Renormalization of baryon vector current by destruction of SU(6) symmetry

SOURCE: Zhurnal eksperimental'noy i teoreticheskoy fiziki. Pis'ma v redaktsiyu. Prilozheniye, v. 1, no. 3, 1965, 35-40

TOPIC TAGS: particle physics, baryon

ABSTRACT: The vector constants of weak baryon currents are not renormalized in the first approximation of destruction of SU(3) symmetry. In the second order with respect to this destruction, renormalization takes place which is associated with an increase in the number of independent amplitudes. The authors present an analog of the Ademollo-Gatto theorem (M. Ademollo, R. Gatto. *Phys. Rev. Lett.*, 13, 264, 1964) in SU(6) symmetry. Orig. art. has: 7 formulas.

ASSOCIATION: Institut fiziki Akademii nauk Gruzinskoy SSR (Institute of Physics, Academy of Sciences Georgian SSR)

SUBMITTED: 29Mar65   ENCL: 00   SUB CODE: NP
NO REF SOV: 002   OTHER: 002

Card 1/1

L 60943-65   EWT(m)/T/EWA(m)-2

ACCESSION NR: AP5016278

UR/0386/65/001/005/0012/0017

AUTHOR: Gedalin, E. V.; Kancheli, O. V.; Matinyan, S. G.

TITLE: Hadron decays of baryons in the Ũ(12) symmetry scheme

SOURCE: Zhurnal eksperimental'noy i teoreticheskoy fiziki. Pis'ma v redaktsiyu.
Prilozheniye, v. 1, no. 5, 1965, 12-17

TOPIC TAGS: baryon decay, hadron decay, symmetry property, hyperon decay, spurion

ABSTRACT: The authors consider hadron decays of hyperons in the Ũ(12) symmetry
scheme which is one of the possible relativistic generalizations of SU(6) symmetry.
The first to be considered are the parity-nonconserving amplitudes for the S-waves
of which information that agrees with experiment is already available. The trans-
formation properties of the "weak" spurion H, which breaks Ũ(12) symmetry, are fixed
uniquely in this case by the requirement that it transform in accordance with the
representation 143, being pseudoscalar, and by the sixth component of the SU(3) sym-
metry vector. Taking CP-invariance into account, calculation yields for the matrix
element

$$M_{pn} = 3a \left\{ (1/M^2)[P^2 \delta_{\mu\nu} + 2q_\mu q_\nu] \overline{D}^{ijk}(p_2) D_{\nu,ij3}(p_1) P_k^2(q) + (1/3)(F^2/m^2)(\overline{B}B)_{F3}^k P_k^2(q) \right\}$$

(1)

Card 1/3

L 60943-65

ACCESSION NR: AP5016278

where $P^2 = (p_1 + p_2)^2$, $(\overline{BB})^i_{Fj} = \overline{B}^i_t B^t_j - \overline{B}^t_j B^i_t$, M is the "average" mass decuplet, and m is the "average" mass of the baryon octet. From (1) follow all the previously obtained relations between the S-wave amplitudes of hadron decays of the baryon octet. The relation $(\Lambda \rightarrow p\pi^-)_S = (2)^{-1/2}(\Omega^- \rightarrow \Xi^{O*}\pi^-)_S$, obtained by one of the authors (Matinyan, ZhETF v. 48, 1204, 1965), is generalized with allowance for the D-wave in the $\Omega^- \rightarrow \Xi^{O*}\pi^-$ decay. Relations between the parity-conserving amplitudes of hadron decays of baryons are also derived. The essentially new factor brought about by $\tilde{U}(12)$ symmetry with respect to parity-nonconserving amplitudes is the deduction, which follows from (1), that the decays $\Omega \rightarrow \Lambda K^-$ and $\Omega \rightarrow \Xi\pi$ proceed with conservation of parity (i.e., only in the P-wave). In the case of parity-conserving amplitudes, two possibilities are considered. One is that the spurion H (which has a zero 4-momentum) can belong to representation 143 of the $\tilde{U}(12)$ scheme. The other possibility is that the spurion is regarded, with respect to the transformation properties of "internally-broken" $\tilde{U}(12)$ symmetry, on an equal basis with real particles. In this case it should be transformed in accordance with the higher representations of $\tilde{U}(12)$ (4212, 5940). It is shown that the first alternative leads to contradiction with experiment for parity-conserving amplitudes. The second possibility will be considered in the next paper. Orig. art. has: 5 formulas.

Card 2/3

L 60940-65

ACCESSION NR: AP5016278

ASSOCIATION: Institut fiziki Akademii nauk Gruzinskoy SSR (Physics Institute, Academy of Sciences, Georgian SSR)

SUBMITTED: 21Apr65   ENCL: 00   SUB CODE: NP, GP

NR REF SOV: 002   OTHER: 005

Card 3/3

TITLE: Parity conserving amplitudes of hadron decays of baryons in the $\tilde{U}(12)$ symmetry scheme

ABSTRACT: This is a continuation of earlier work by the authors (ZhETF Pis'ma v redaktsiyu v. 1, no. 3, 35, 1965), where they reported the results of application of the $\tilde{U}(12)$ symmetry to hadron decays of hyperons. In the present paper they consider another possibility for parity-conserving amplitudes whereby the spurion enters on an equal basis as the real particles with respect to the transformation properties of $\tilde{U}(12)$ symmetry. The lowest representations of $\tilde{U}(12)$ symmetry, containing a CP-even scalar, are in this case 4212 and 5940, and are used to describe the weak spurion H. An expression is derived for the CP-invariant parity-conserving matrix element of hadron decays and a connection is obtained between the parity-conserving amplitudes of hadron decays of barions and the invariant functions of this matrix element. When the latter are eliminated, the result is, in

Card 1/2

L 4886-66
ACCESSION NR: AP5021140

addition to the Gell-Mann--Rosenfeld triangle relation, also new relations between the parity-conserving amplitudes of hadron decays of the hyperons. The relation between Λ, Ξ^-, and Σ^- strongly contradicts the experimental data, in spite of the great inaccuracy of the latter, and it is concluded on the basis of this and the earlier result that within the framework of $U(12)$ symmetry there is no satisfactory discription of the parity-conserving amplitudes of hadryon decays of hyperons. It is possible that this circumstance is closely connected with the recently noted contradiction between $U(12)$ symmetry and experiment in polarization phenomena. "We are grateful to Ya. A. Smorodinskiy for interest in the work and for discussions." Orig. art. has: 4 formulas.

ASSOCIATION: Institut fiziki Akademii nauk Gruzinskoy SSR (Physics Institute, Academy of Sciences, Georgian SSR)

SUBMITTED: 17May65   ENCL: 00   SUB CODE: GP, NP

NR REF SOV: 001   OTHER: 009

Card 2/2

L 4524-66   EWT(m)/FCC/T   IJP(c)

ACC NR: AP5024646   SOURCE CODE: UR/0048/65/029/009/1731/1733

AUTHOR: Gedalin, E.V.

ORG: Institute of Physics, Academy of Sciences, GruzSSR (Institut fiziki Akademii nauk GruzSSR)

TITLE: Fluctuations in cascade shower theory taking scattering into account   /Report, All-Union Conference on Cosmic Ray Physics held at Apatity 24-31 August 1964/

SOURCE: AN SSSR. Izvestiya. Seriya fizicheskaya, v. 29, no. 9, 1965, 1731-1733

TOPIC TAGS: extensive air shower, electron, photon, mathematic method, statistic distribution

ABSTRACT: Equations are presented with which one can calculate the moments of the numbers of electrons or photons in an electron-photon cascade as functions of the depth, lateral position, and direction of motion of the particle. These equations were derived by methods that take account of scattering and are discussed elsewhere by the author (Soobshcheniya AN GruzSSR, 36, 295, 1964); they should be useful for the interpretation of extensive air showers. The approximation of infinite primary energy gives qualitatively incorrect results for dispersions and other characteristics of the distribution functions. In this approximation, for example, the dispersions of the particle numbers are independent of the direction of motion, whereas the actual dispersions are strongly angular dependent, as is shown by results of calculations per-

Card 1/2

L 4524-66

ACC NR: AP5024646

formed with the present equations and presented graphically. Orig. art. has: 5 formulas and 1 figure.

SUB CODE: NP/ SUBM DATE: 00/   ORIG REF: 002/ OTH REF: 001

Card 2/2

L 35420-65   EWT(l)/EWT(l)/EWG(v)/EWG(m)/EEC(t)   Pe-5/Pae-2   IJP(c)   GW
ACCESSION NR: AP5005620   S/0251/65/037/002/0283/0288

AUTHOR: Gefalin, E. V.

TITLE: Fluctuations in wide atmospheric cascades: spatial and angular distributions
of particles

SOURCE: AN GruzSSR. Soobshcheniya, v. 37, no. 2, 1965, 283-288

TOPIC TAGS: atmosphere, atmospheric electricity, Markov process, probability,
stochastic process, cascade

ABSTRACT: Previous work has indicated that it is possible to compute characteristic
functions of the probability distribution describing the stochastic process and
moments of cascade development as a problem in one dimension. The author expands
the earlier work to the general three-dimensional case. The complete expression of
the probability of interaction $\mathfrak{R}^i(\tilde{p}_0, \tilde{r}_0, x_0)\, dx_0\, d\tilde{r}_0$ of type i particles in the volume

element $dx_0\, d\tilde{r}_0$ is given by $\mathfrak{R}^i(\tilde{p}_0, \tilde{r}_0, x_0)\, dx_0\, d\tilde{r}_0 = dx_0\, d\tilde{r}_0\, S_{(\mu)}\, \mathfrak{R}^i(\tilde{p}_0, \tilde{r}_0, v_0, (\mu))$; the
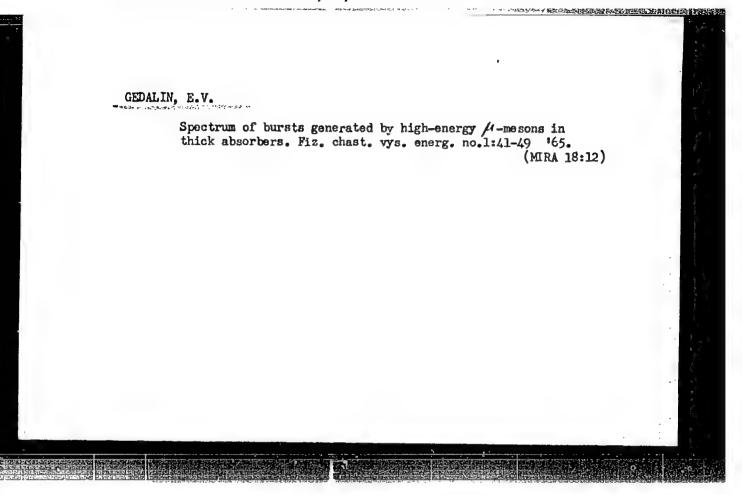
parameters used are those defined by the author (Fluktuatsii v shirokikh
atmosfernykh livnyakh, Trudy Instituta fiziki, AN GSSR, t. IX, 1963). A two-
dimensional vector is defined which characterizes the impulse direction of a
particle. The author denotes by $P((\omega), x\,|(\tilde{p}', \tilde{r}), y)$, the probability that condition α
Card 1/2

L 35420-65
ACCESSION NR: AP5005620

exists at depth x if condition $(\beta'_e, \vec{r})$ exists at depth y. Assuming a Markov process, the author derives the system of integral equations

$$P'((\alpha), x \,|\, \vec{\beta}_0, x_0, \vec{r}_0) = \Psi'((\alpha), x, x_0) \exp\left[-\Re'_i(\vec{\beta}_0, \vec{r}_0, x, x_0)\right] +$$

$$+ \int_{x_0}^{x} dy \exp\left[-\Re'_i(\vec{\beta}_0, \vec{r}_0, y, x_0)\right] \int_{(\vec{\beta}'_i)} d(\vec{\beta}'_i) \, S(\alpha) \, R'((\vec{\beta}'_i, \vec{r}) \,|\, \vec{\beta}_0, \vec{r}, y, (\mu)) \times \qquad (2)$$

$$\times \delta(\vec{r}_0 + \vec{v}_0(y - x_0) - \vec{r}) \, S(\eta) \prod_e \delta\left[\sum_{kj} \alpha^{kj} - \alpha_e\right] \prod_{kj} P'((\alpha^{kj}), x \,|\, \vec{\beta}(, y, \vec{r}).$$

Solution of the characteristic probability functions is outlined. Certain rules are set forth describing the solution process with reference to nodes and lines in three-dimensional cascade diagrams. Use is made of the method of moments developed earlier by the author (Fluktuatsii v shirokikh atmosfernykh livnyakh: metod momentov, Soobshcheniya AN GSSR, XXXVI, 2, 1964). Orig. art. has: 11 equations.

ASSOCIATION: Akademiya nauk, Gruzinskoy SSR, Institut fiziki (Academy of Sciences, Georgian SSR, Institute of Physics)

SUBMITTED: 25Mar64   ENCL: 00   SUB CODE: MA, ES

NO REF SOV: 004   OTHER: 002

Card 2/2

GEDALIN, E.V.; LAPERASHVILI, L.V.

Y_1^* and Y_0^* Regge poles and the KN-scattering amplitude.
Fiz. chast. vys. energ. no.1:33-35 '65.

(MIRA 18:12)

GEDALIN, E.V.

Spectrum of bursts generated by high-energy μ-mesons in thick absorbers. Fiz. chast. vys. energ. no.1:41-49 '65.

(MIRA 18:12)

GEDALIN, E.V.; MNATSAKANOVA, M.N.

Fluctuations in electron-photon showers generated by
high-energy μ-mesons. Fiz. chast. vys. energ. no.1:51-
64 '65. (MIRA 18:12)

GEDALIN, E.V.; KANCHELI, O.V.; MATINYAN, S.G.

Adronic decays of baryons in the U(12)-symmetry scheme.
Pis'. v red. Zhur. eksper. i teor. fiz. 1 no.5:12-17 Je '65.

1. Institut fiziki AN GruzSSR. Submitted April 21, 1965.

GEDALIN, E.V.; KANCHELI, O.V.; IAPERASHVILI, L.V.; MATINYAN, S.G.

Anomalous thresholds and the mass spectrum of elementary particles.
Fiz. chast. vys. energ. no.1:30-32 '65.

(MIRA 18:12)

GEDBERG, M.G.

Phase transformation in high-speed steel during electric heat
treatment with a current of industrial frequency. [Izdaniia]
LONITOMASH no.30:253-268 '52.   (MLRA 8:1)
        (Steel--Heat treatment)

GEDBERG, M.G

USSR/Solid State Physics - Phase Transformations in Solids, E-5

Abst Journal: Referat Zhur - Fizika, No 12, 1956, 34699

Author: Gedberg, M. G., Kozlov, K. K.

Institution: None

Title: Carbide Inhomogeneity of High-Spe... Tool Steel

Original Periodical: Nauch. tr. Stalingrad. mekhan. in-ta, 1955, 2, 214-230

Abstract: None

- 1 -

GUR'YEV, A.V., kand.tekhn.nauk; GEDBERG, M.G.; TERENT'YEV, S.G., inzh.;
SHEPEL', L.T.

Causes of certain defects in the rolls used for cold rolling.
Stal' 23 no.5:438-440 My '63.   (MIRA 16:5)

1. Zavod "Krasnyy Oktyabr'".
                         (Rolls (Iron mills)—Defects)

L 11157-66   EWT(m)/EWA(d)/EWP(t)/EWP(z)/EWP(b)   JD

ACC NR: AP6000356   SOURCE CODE: UR/0286/65/000/021/0049/0049

AUTHORS: Prosvirov, N. T.; Gedberg, M. G.; Aderikhin, A. S.; Salimon, V. S.;
Ar'kov, V. G.; Mel'nikov, M. P.; Kozak, N. N.

ORG: none

TITLE: Modified high speed steel. Class 40, No. 176071 /announced by Volgograd
Scientific Research Institute of Machine Construction Technology (Volgogradskiy
nauchno-issledovatel'skiy institut tekhnologii mashinostroyeniya)/

SOURCE: Byulleten' izobreteniy i tovarnykh znakov, no. 21, 1965, 49

TOPIC TAGS: steel, carbon, chromium, tungsten, vanadium, titanium, nitrogen,
manganese, carbon steel, alloy steel

ABSTRACT: This Author Certificate presents a modified high speed steel containing
carbon, chromium, tungsten, vanadium, and nitrogen. To increase its cutting ability,
the steel has the following composition (in %): carbon 0.85—1.0; chromium 4.0—
5.0; tungsten 9.0—10.5; vanadium 2.2—2.4; titanium 0.25—0.30; nitrogen 0.09—0.13;
manganese 1.2—2.0.

SUB CODE: 11/ SUBM DATE: 04Feb63

Card 1/1   UDC: 669.14.018.252—3

RYKHSHTAT, G.N.; LEYKINA, R.F.; KARASEVA, M.F.; KARPOVA, G.V.; GEDE, E.O.;
LOMAKINA, A.Ye.

Study of colienteritis occurrence in day nurseries. Zhur. mikrobiol.
epid. i immun. 40 no.11:143   N '63.   (MIRA 17:12)

1. Iz sanitarno-epidemiologicheskoy stantsii Sverdlovskogo rayona
Moskvy.

AKHMETZHANOV, Abdulkadir Abdurakhmanovich; KHLYUPIN, G.D., kand.
tekhn.nauk, retsenzent; GEDE, I.G., inzh., red.; MOROZOVA,
P.B., red. izd-va; ORESHKINA, V.I., tekhn. red.

[Synchronous tracking systems of greater accuracy]Sinkhronno-
slediashchie sistemy povyshennoi tochnosti. Moskva, Oborongiz,
1962. 211 p.   (MIRA 15:9)
          (Automatic control) (Servomechanisms)

GEDE, M.

Innovations of a member of the Working Youth League, p.8.
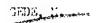UJITOK LAPJA (Orszagos Talalmanyi Hivatal) Budapest. Vol 7, no. 11, June 1955.

SOURCE: EEAL, Vol 5, no. 7, July 1956.

TEDE, M.

Meresiev Brigade. p. 10.
Organization of the innovators' movement in the Soviet aluminum industry. p. 11.
Evolution of the production of electric power in the Soviet Union. p. 11,
Savings with pit props as the result of an outstanding innovation. p. 12.
UJITOK LAPJA, Budapest, Vol. 7, no. 12, June 1955.

SO: Monthly List of East European Accessions, (MEAL), LC, Vol. 4, no. 10, Oct. 1955,
Uncl.

GEDE, M.

Nemes, E. Innovators of the bauxite-aluminum industry. p. 4.
UJITOK LAPJA, Budapest, Vol. 7, no. 14, July 1955.

SO: Monthly List of East European Accessions, (EEAL), LC, Vol. 4, no. 10, Oct. 1955,
Uncl.

GEDE...

Initiative of the Party committee of a textile factory. p. 9.
UJITOK LAPJA, Budapest, Vol. 7, no. 15, Aug. 1955.

SO: Monthly List of East European Accessions, (EEAL), LC, Vol. 4, no. 10, Oct. 1955,
Uncl.

GEDE, M.

GEDE, M.   Five and a half million forints from innovations at Tatabanya.   p. 11.
Vol. 7, no. 17, Sept. 1955.   UJITOK LAPJA.   (Orszagos Talalmanyi
Hivatal)   Hungary.

SOURCE: East European Accessions List (EEAL), Library of Congress Vol. 5, no. 6,
June 1956

GFDF, M.

GEDE, M.   Technological conference of young innovators p. 14   New electric equipment p.
    Vol. 7, no. 18, Spt, 1955 UJITOK LAPJA (orszagos Talalmanyi Hivatal) Hungary   15

SOURCE: East European Accessions List (EEAL) Libary of Congress Vol. 5,
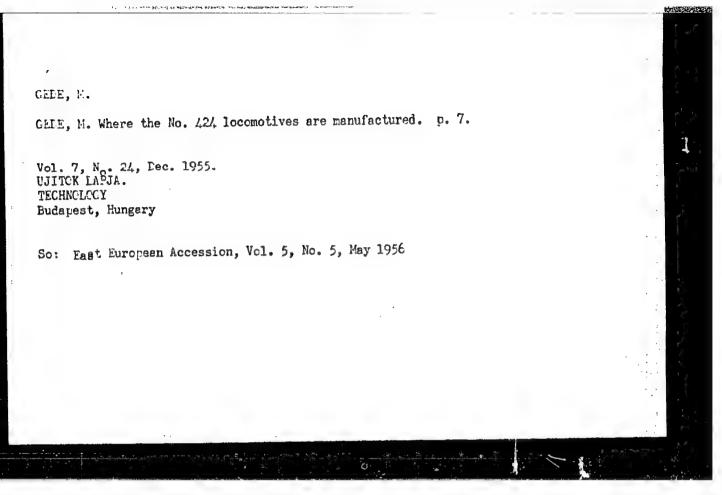   no. 6, June 1956

GEDE, M.

GEDE, M. Exchange of experience s of young foundry men. p. 13. Vol. 7, No. 19, Oct. 1955. UJITOK LAPJA (Orsagos Talamanyi Hivatal) Hungary

SOURCE: East European Accessions List (EEAL) Library of Congress
Vol. 5, No. 6, June 1956

GEDE, M.

GEDE, M.   Expert on innovations at the Chemical Combine in Barcika. p. 6. Vol. 7.
no. 20. Oct. 1955.   UJITOK LAPJA (Orsagos Talamanyi Hivatal) Hungary

SOURCE: East European Accessions List (EEAL) Library of Congress
          Vol. 5, No. 6, June 1956

GEDE, M.

GEDE, M. Where the No. 424 locomotives are manufactured. p. 7.

Vol. 7, N$_o$. 24, Dec. 1955.
UJITOK LAPJA.
TECHNOLOGY
Budapest, Hungary

So: East European Accession, Vol. 5, No. 5, May 1956

GEDE, M.

Let us give satisfaction to a fired innovator!

P. 6 (UJITOK LAPJA) Budapest, Hungary Vol. 9, No. 9, June 1957.

SO: Monthly Index of East European Acessions (AEEI) Vol. 6, No. 11 November 1957.
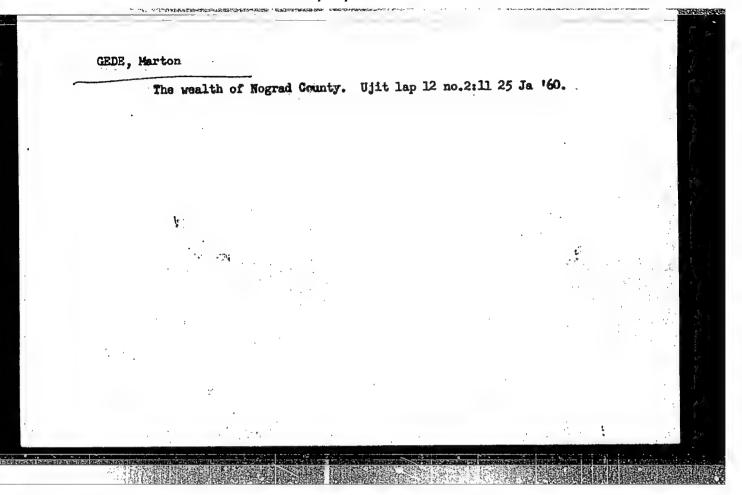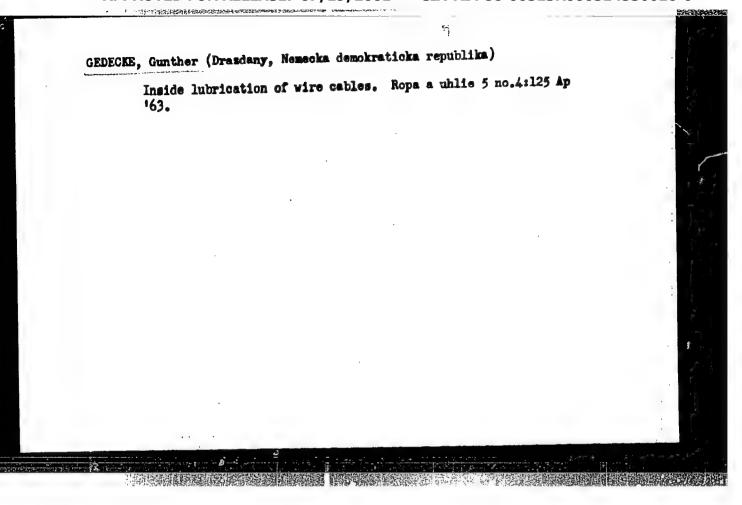
GEDE, M.

"Innovators and innovations around the scaffolds."

p. 10 (Ujitok Lapja) Vol. 9, no. 21, Dec. 1957
Budapest, Hungary

SO: Monthly Index of East European Accessions (EEAI) LC. Vol. 7, no. 4,
    April 1958

GEDE, Marton

The wealth of Nograd County. Ujit lap 12 no.2:11 25 Ja '60.

GEDECKE, Gunther (Drazdany, Nemecka demokraticka republika)

Inside lubrication of wire cables. Ropa a uhlie 5 no.4:125 Ap '63.

GEDEI. J.

Shortcomings in teaching physics at industrial schools and their causes. p. 171

So: Eastern European Accession Vol. 5, No. 4, 1956

USSR / Forestry. Biology and Typology of the Forest.   K-1

Abs Jour: Ref Zhur-Biol., No 13, 1958, 56362

Author : Gedenidze, A. A.

Inst   : AS GruzSSR

Title   : Natural Reforestation of Chestnut Groves in Western
          Georgia (USSR)

Orig Pub: Tr. In-ta lesa, AN GruzSSR, 1957, 7, 225-239

Abstract: The following types of chestnut plantings are des-
          cribed in the western part of Georgia: Castanatum
          azaleosum, C. arctostaphylosum, C. rhododendrosum
          and C. Laurocerrassosum. The natural reforestation
          of the azalea chestnut groves is unsatisfactory ow-
          ing to excessive dryness of the substrate. The op-
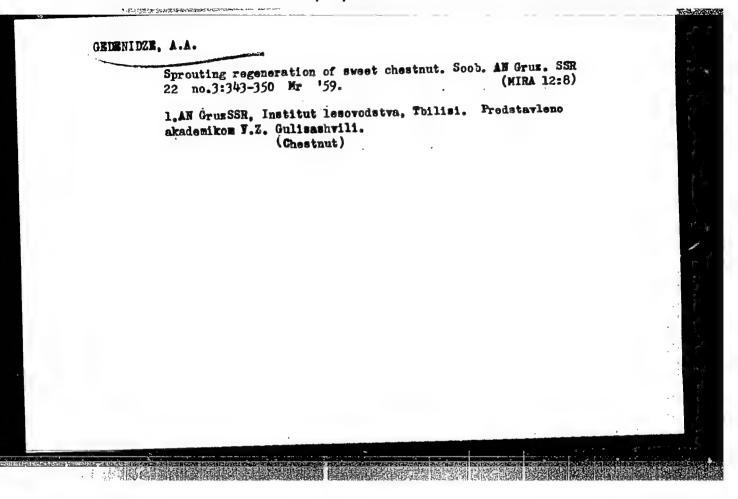   timum conditions exist in chestnut groves of the
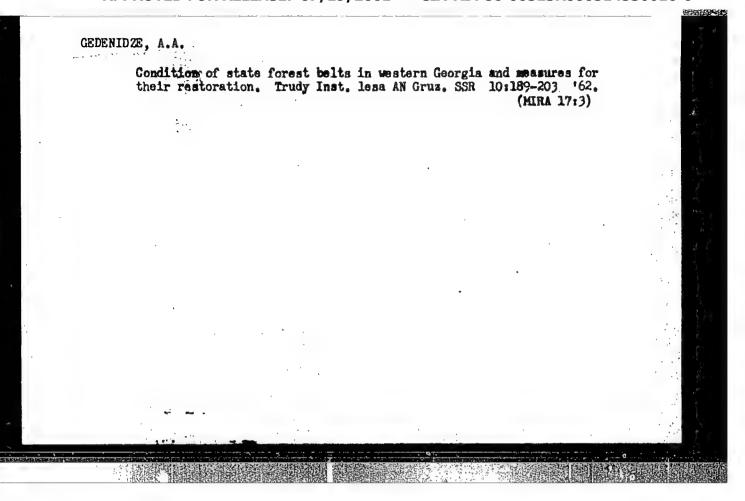
Card 1/2

GEDENIDZE

GEGENIDZE, A.A., Cand Bio Sci—(diss) "Seed renewal and vegetative proliferation of chestnut under conditions of Western Georgia." Tbilisi, 1958. Publishing House of the Acad Sci Georgian SSR, 1958. 22 pp (Min of Agr USSR. Georgian Order of Labor Red Banner Agr Inst), 120 copies (KL, 45-58, 144)

GEDENIDZE, A.A.

Sprouting regeneration of sweet chestnut. Soob. AN Gruz. SSR
22 no.3:343-350 Mr '59.   (MIRA 12:8)

1.AN GruzSSR, Institut lesovodstva, Tbilisi. Predstavleno
akademikom V.Z. Gulisashvili.
                    (Chestnut)

GEDENIDZE, A.A.

Condition of state forest belts in western Georgia and measures for their restoration. Trudy Inst. lesa AN Gruz. SSR 10:189-203 '62.

(MIRA 17:3)

GEDENIDZE, A.V.

Alder forests of Colchis and the methods of their economic
exploitation. Trudy Inst. lesa AN Gruz.SSR 12:113-124   '63.
(MIRA 18:2)

Accession Nr **L 45491-66**   EWP(1)   IJP(c)   BB/GG/JXT(BF)

SOURCE CODE: HU/0012/66/000/002/0051/0055

ACC NR: AP6033343

AUTHOR: Veto, I.--Vete, I.; Gedenyi, I.--Gedeni, I.

ORG: Institute for Electrical Automation (Villamos Automatika Intezet)

TITLE: Sequential storage system

48

SOURCE: Meres es automatika, no. 2, 1966, 51-55

B

TOPIC TAGS: information storage and retrieval, computer memory

ABSTRACT: The occurrence of events in a series is picked up by detectors and transmitted by a pulse. The information on occurrences is stored in a memory system composed of storage elements, and-gates, and or-gates. At the call signal, the information is transferred to the appropriate control elements in the order of arrival. For the storage of information consisting of n events, n^2 pieces of storage elements are required to carry the sequence also. Orig. art. has: 4 figures. [Based on authors' Eng. abst.] [JPRS: 35,325]

SUB CODE: 05, 09 / SUBM DATE: 01Sep65 / ORIG REF: 001 / OTH REF: 002

UDC: 621.395.341.71
0920   1364

Card 1/1 *ec/jw*

CSILLAG, Miklos, dr.; BRAUN, Pal. dr.; GEDEON, Andras, dr.; FEHER G. Katalin
VATAI, Margit, dr.

The ratio of various urinary steroids in obese female patients.
Orv. hetil. 106 no.19:887-889 9 My '65

1. Budapesti Orvostudomanyi Egyetem, II. Noi Klinika (igazgato:
Zoltan, Imre, dr.) es XIII. Tanacs, Robert Karoly koruti korhaz,
II. Belosztaly (foorvos: Braun, Pal. dr.).

CSILLAG, Miklos, dr.; BRAUN, Pal, dr.; GEDEON, Andras, dr.; FEHER, G. Katalin;
VATAI, Margit, dr.

The ratio of various steroids in the urine of obese female
patients following ACTH stimulation. Orv. hetil. 106 no.41:
1940-1942 10 0 '65.

1. Budapesti Orvostudomanyi Egyetem, II. Noi Klinika (igazgato:
Zoltan, Imre, dr.) es XIII. ker. Tanacs, Robert Karoly koruti
Korhaz, II. Belosztaly (foorvos: Braun, Pal, dr.).

FSS-2 DD/GW

ACCESSION NR: AP5011804 UR/0186/65/007/002/0254/0255

AUTHOR: Gedenov, L.I.; Rys'yev, O.A.; Susorova, N.A.

TITLE: Determination of Be-7 in samples of atmospheric aerosols and atmospheric precipitation in the presence of fission fragments

SOURCE: Radiokhimiya, v. 7, no. 2, 1965, 254-255

TOPIC TAGS: beryllium determination, radioberyllium separation, atmospheric radioactivity, fallout analysis, aerosol contamination, trilon B

ABSTRACT: The paper describes a method for the radiochemical separation of Be^7. In contrast to other methods, Be^7 is separated as the hydroxide in the presence of trilon B, which acts as a masking complex-forming agent. Moreover the method permits the separation of Sr^{89} and Sr^{90} in addition to Be^7 from the same sample of rain water. The entire chemical analytical procedure used for producing the hydroxide and the oxide is described. The γ-spectrum of BeO, measured with a scintillation γ-spectrometer showed that the half-life of the separated emitter (54 days) and the energy of the γ-quanta corresponded to those of Be^7. The method can be applied to samples of atmospheric aerosols without any modifications. Orig. art. has: 2 figures.

Card 1/2

L 44805-65

ACCESSION NR: AP4011804

ASSOCIATION: none

ENCL: 00   SUB CODE: GC, ES

S AMS. ... 23.Jun64

OTHER: 005

Card